

**ISO/IEC JTC 1**  
**Information technology**  
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# SC36

Information Technology for Learning,  
Education and Training

Chair: Erlend Øverby (Norway)

Secretary: Eunsook Kim (Korea)

# Learning technology

- Is on the agenda
  - Better understanding of how IT can support better and more efficient learning
  - Much research around the globe
  - Many universities have a “learning laboratory”
    - Researching and using learning technologies
- ICT and IT literacy part of national curricula
- Understanding of how IT could support learning activities is growing

# Challenge

- Understanding that standards are necessary for IT to work seamlessly in a heterogeneous environment
- We have have a "Bring your own device" that requires interoperability
- We use different devices based on location
  - Computer at school/university/workplace
  - Tablet when sitting down
  - Phone when roaming around
- Lack of realisation that we are always on, always connected

# Challenge

- Lack of stakeholder engagement
- Lack of 3rd world perspectives and requirements
- Would like to see more expert contributions and involvement

# Opportunities

- Important trends
  - Massive Open Online Courses – MOOC
    - Huge need for standards to avoid "lock-in" and enable learner mobility
  - Personalisation
  - Use of Social Media for learning
  - Learning Analytics

# What do we in SC36 do?

- New Business plan
- Active use of WebEx
- More efficient working procedures
- Conferences and seminars

# Business plan

- Current business plan have emerged over the last 12 years
- Not particularly fit for marketing purposes
- Hard to identify what we actually do
- Will develop a new Business Plan
  - Established a Editorial Board
  - Starts with "blank sheets"
  - Should be suitable for marketing and communication of our activities



# Use of WebEx

- Encourage active use of WebEx
  - Remote participation in WG meetings
  - WebEx only meetings for development of projects
- Enables more participation of experts in development of projects
  - Important for experts with tight budgets
  - Easy to get expert consultations in meetings

# Working procedures

Project / Title / Editors	WD	PDTS	DTS	TS		Status
<b>ISO/IEC 20013 (TS)</b> ITLET – Conceptual Model for e-Portfolio Information Project editors: Sung-Wook Shin* (KR), Jon Mason (AU), Jin Gon Shon (KR)	WG3N0319 2010-08	36N2123 2010-12	36N2555 2013-03  2 <sup>nd</sup> expected 2014-01	Expected 2014-12		DTS successfully balloted

- Dates for progression
  - No need to have a resolution progressing the work between stages
- Project editors
  - No need for a separate resolution appointing project editors

# Working procedures

- CRM meetings to take place using WebEx
  - Editors need to draft a proposed disposition of comments
  - This proposed disposition is sent for comments/ approval
  - If comments to the disposition
    - WebEx meeting is addressing only proposal that have comments
    - If WebEx meetings does not solve the issue, meeting is postponed for a Face2Face meeting
  - Should free some time for more project based discussion during our plenary

# Plenary

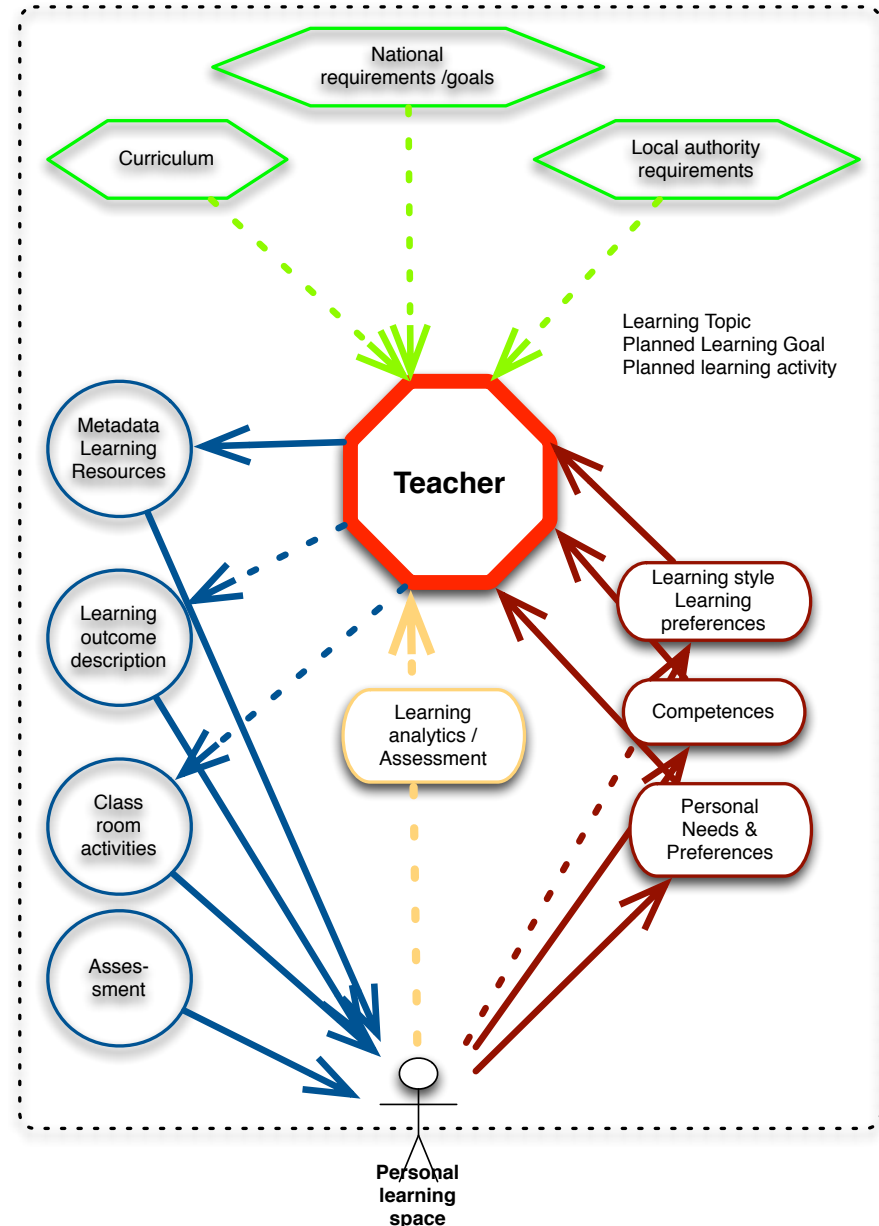
- ½ day opening plenary with technology demonstration
- During plenary week
  - Start with small seminars, with position papers
    - 2-3 presentations following the PechaKucha style
      - 20 slides x 20 seconds
    - Discussion afterwards
    - Should result in a white paper
- More emphasis on relevant information from liaison organisations
- Meeting for newcomers
- Meeting with HoD
- From Monday to Friday (Within one working week)

# Projects

- Some of the quality projects are moved to PC288:
  - Educational organizations management systems - Requirements with guidance for use
  - Scope:
    - Standardization in the field of educational organizations management systems - requirements with guidance for use

# Personalisation

- Learning style and learning preferences
- Learning Outcome descriptions
- Class room activity descriptions
- Assessment descriptions
- Learning Resource Descriptions
- Competence descriptions
- Curricula
- Teacher planning descriptions
- Learning analytics (reporting of efficiency, to improve the process of finding a resource)
- OER - for adaptability of resources



# Accessibility and Schema.org

- We work with Schema.org for them to include our standards in their work

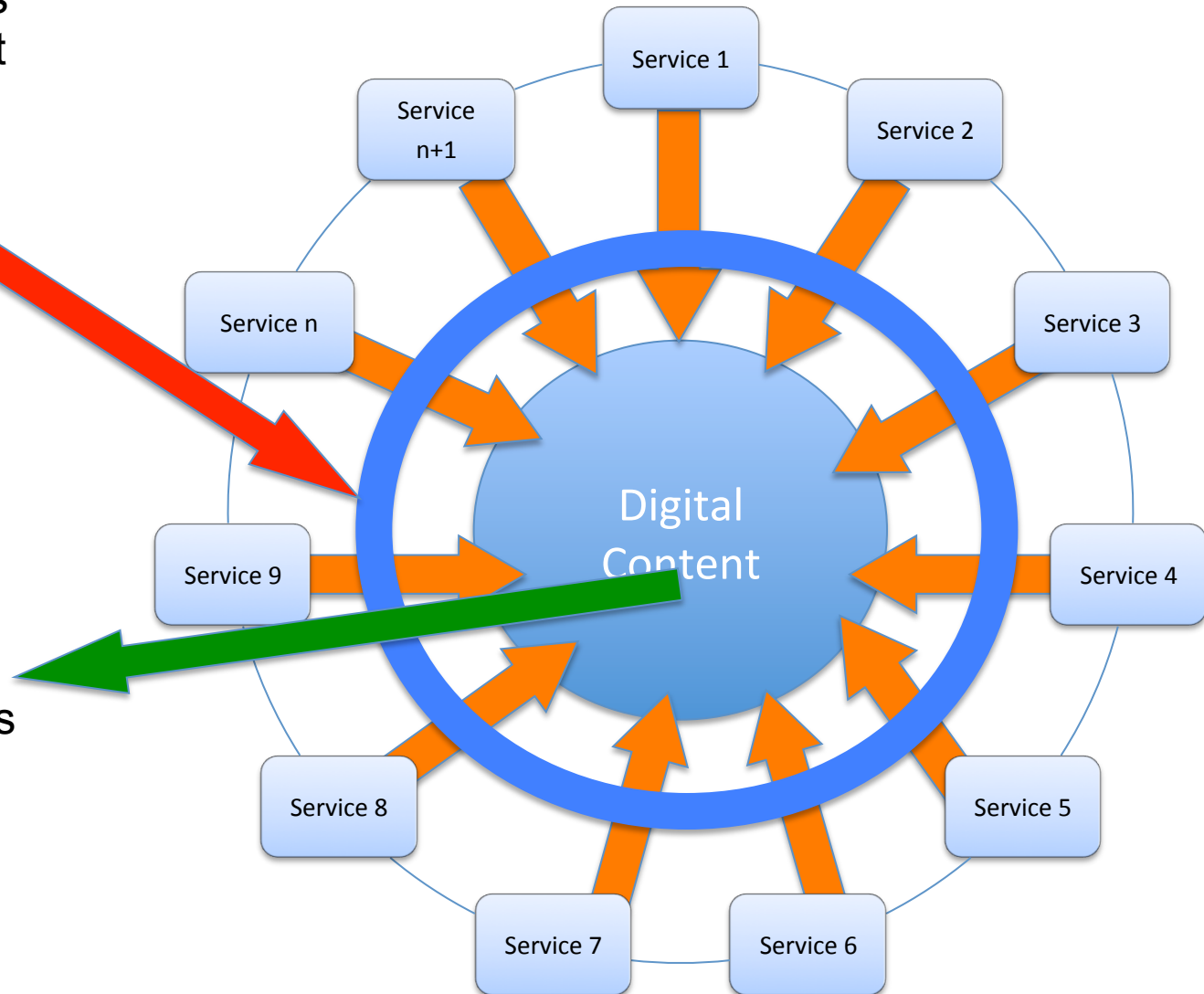
```
<html><head>  
  <link rel="bookFormat" href="http://schema.org/EBook/DAISY3"/>  
  <meta itemprop="accessMode" content="textual"/>  
  <meta itemprop="accessMode" content="visual"/>  
  <meta itemprop="isAdaptationOf" content="urn:isbn:9780030426599"/>  
  <meta itemprop="mediaFeature" content="displayTransformability">  
  <meta itemprop="mediaFeature" content="longDescription">  
  <meta itemprop="mediaFeature" content="alternativeText">  
</head><body>  
  ... The content we see ..  
</body>  
</html>
```

# eSchoolBag

Common requirements for all content – so that any service could use the same API for “annotating” content regardless of content and file formats.

Reporting of activity, progress etc.

Aka. Learning analytics





# Plan for plenaries

- Started to develop a 5 year plan
- No host for 2014
  - 2014 plenary is cancelled
    - Will do a short WebEx plenary with descisions required from WG's
    - And issues for the next JTC1 plenary

# Engagement

- Encourage all NB's to start participating in SC36
  - Propose projects
  - Host plenaries
  - Expert contributions
- 
- Education is global, knowledge is necessary to be competitive in the global market place
  - Learning technology is playing a key role to make this happen

# Thank you

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